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PTO/SB/08a (07-09)

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/773,660
				Filing Date	2004-02-06
				First Named Inventor	SAI YIU HO; San Diego, Ca
				Art Unit	2617
				Examiner Name	Un C. Cho
Sheet	1	of	21	Attorney Docket No: 030351	

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	001	US2149518	03-07-1939	FRANK SR THOMAS	
	002	US3470324	09-30-1969	HARMUTH HENNING	
	003	US4768023	08-30-1988	XIE; Alex J.	
	004	US5280472	01-18-1994	GILHOUSEN; Klein S., et al.	
	005	US5394433	02-28-1995	BANTZ; David F., et al.	
	006	US5406585	04-11-1995	ROHANI; Kamyar, et al.	
	007	US5463342	10-31-1995	GUARD; Glenn B.	
	008	US5483557	01-09-1996	WEBB; William T.	
	009	US5535214	07-09-1996	SHIOBARA; Yasuhisa	
	010	US5544156	08-06-1996	TEDER; Paul M., et al.	
	011	US5553062	09-03-1996	SCHILLING; Donald L., et al.	
	012	US5581575	12-03-1996	ZEHAVI; Ephraim, et al.	
	013	US5592470	01-07-1997	RUDRAPATNA; Ashok N., et al.	
	014	US5627938	05-06-1997	JOHNSTON; James D.	
	015	US5647366	07-15-1997	WENG; Lee	
	016	US5712869	01-27-1998	LEE; Byeong-Ho, et al.	
	017	US5719852	02-17-1998	SCHILLING; Donald L., et al.	
	018	US5726978	03-10-1998	FRODIGH; Carl Magnus, et al.	
	019	US5732391	03-24-1998	FIOCCA; James Leonard	

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	020	US5752193	05-12-1998	SCHOLEFIELD; Christopher, et al.	
	021	US5764551	06-09-1998	MCCORKLE; John W.	
	022	US5774809	06-30-1998	TUUTIJARVI; Mika Jari Pietari, et al.	
	023	US5781861	07-14-1998	KANG; Chang-Soon, et al.	
	024	US5809059	09-15-1998	SOUISSI; Slim, et al.	
	025	US5815526	09-29-1998	RICE; Bart F.	
	026	US5857174	01-05-1999	DUGAN; John W.	
	027	US5862451	01-19-1999	GRAU; Alan L., et al.	
	028	US5864760	01-26-1999	GILHOUSEN; Klein S., et al.	
	029	US5875214	02-23-1999	URBANIAK; Oliver, et al.	
	030	US5903608	05-11-1999	CHUN; You-Sik	
	031	US5923650	07-13-1999	CHEN; Tao, et al.	
	032	US5956642	09-21-1999	LARSSON; Per, et al.	
	033	US5966377	10-12-1999	MURAI; Hideshi	
	034	US5966670	10-12-1999	KESKITALO; Ilkka, et al.	
	035	US5969751	10-19-1999	LEE; Myeong-Hwan	
	036	US5973642	10-26-1999	LI; Ye, et al.	
	037	US5991271	11-23-1999	JONES; David C., et al.	
	038	US5991273	11-23-1999	ABU-DAYYA; Adnan	
	039	US6005876	12-21-1999	CIMINI; Jr. Leonard	

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				Joseph, et al.	
	040	US6014373	01-11-2000	SCHILLING; Donald L., et al.	
	041	US6046980	04-04-2000	PACKER; Robert L.	
	042	US6049716	04-11-2000	JUNG; Jin-Soo	
	043	US6052594	04-18-2000	CHUANG; Justin Che-I., et al.	
	044	US6061359	05-09-2000	SCHILLING; Donald L., et al.	
	045	US6064692	05-16-2000	CHOW; Jacky S.	
	046	US6088387	07-11-2000	GELBLUM; Ehud Alexander, et al.	
	047	US6094459	07-25-2000	KAO; Chiihsin, et al.	
	048	US6108374	08-22-2000	BALACHANDRAN; Krishna, et al.	
	049	US6108384	08-22-2000	OKUMURA; Yukihiro, et al.	
	050	US6111911	08-29-2000	SANDERFORD; Jr. H. Britton, et al.	
	051	US6115357	09-05-2000	PACKER; Robert L., et al.	
	052	US6128349	10-03-2000	CHOW; Jacky S.	
	053	US6128882	10-10-2000	JONES; Cecil Gwilliam	
	054	US6130882	10-10-2000	LEVIN; Howard E.	
	055	US6131016	10-10-2000	GREENSTEIN; Lawrence Joel, et al.	
	056	US6134215	10-17-2000	AGRAWAL; Avneesh, et al.	

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	057	US6134218	10-17-2000	HOLDEN; Brian D.	
	058	US6141388	10-31-2000	SERVAIS; Frederic Henri, et al.	
	059	US6144654	11-07-2000	IBANEZ-MEIER; Rodrigo, et al.	
	060	US6195552	02-27-2001	JEONG; Jin-Soo, et al.	
	061	US6201576	03-13-2001	RAGHUNATH; Kalavai J., et al.	
	062	US6201954	03-13-2001	SOLIMAN; Samir S.	
	063	US6205129	03-20-2001	ESTEVEZ; Eduardo A. S., et al.	
	064	US6208699	03-27-2001	CHEN; Tao, et al.	
	065	US6208858	03-27-2001	ANTONIO; Franklin P., et al.	
	066	US6219374	04-17-2001	KIM; Seong Rag, et al.	
	067	US6222875	04-24-2001	DAHLMAN; Erik, et al.	
	068	US6222888	04-24-2001	KAO; Chiihsin, et al.	
	069	US6233455	05-15-2001	RAMAKRISHNA; Deepa, et al.	
	070	US6259746	07-10-2001	LEVIN; Howard E., et al.	
	071	US6292515	09-18-2001	KAO; Chiihsin, et al.	
	072	US6307844	10-23-2001	TSUNEHARA; Katsuhiko, et al.	
	073	US6335922	01-01-2002	TIEDEMANN; Jr. Edward G., et al.	
	074	US6347080	02-12-2002	JOU; Yu-Cheun, et al.	

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	075	US6363255	03-26-2002	KUWAHARA; Soichi	
	076	US6389056	05-14-2002	KANTERAKIS; Emmanuel, et al.	
	077	US6414988	07-02-2002	LING; Fuyun	
	078	US6425105	07-23-2002	PIIRAINEN; Olli, et al.	
	079	US6442130	08-27-2002	JONES; Iv Vincent K., et al.	
	080	US6456653	09-24-2002	SAYEED; Zulfiquar	
	081	US6483816	11-19-2002	TSUNEHARA; Katsuhiko, et al.	
	082	US6490461	12-03-2002	MULLER; Walter	
	083	US6496496	12-17-2002	RAMAKRISHNA; Deepa, et al.	
	084	US6505058	01-07-2003	WILLEY; W. Daniel	
	085	US6512925	01-28-2003	CHEN; Tao, et al.	
	086	US6532363	03-11-2003	PUSSINEN; Arto	
	087	US6535723	03-18-2003	JIANG; Frances, et al.	
	088	US6549561	04-15-2003	CRAWFORD; James A.	
	089	US6563885	05-13-2003	MAGEE; David Patrick, et al.	
	090	US6570444	05-27-2003	WRIGHT; Andrew S.	
	091	US6571104	05-27-2003	NANDA; Sanjiv, et al.	
	092	US6574205	06-03-2003	SATO; Toshifumi	
	093	US6609007	08-19-2003	EIBLING; Edward Ellis, et al.	

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	094	US6654609	11-25-2003	KIM; Dong-Hun	
	095	US6680925	01-20-2004	WU; Qiang, et al.	
	096	US6711208	03-23-2004	RAZOUMOV; Leonid, et al.	
	097	US6741862	05-25-2004	CHUNG; Sae-Young, et al.	
	098	US6744754	06-01-2004	LEE; Young Jo	
	099	US6751264	06-15-2004	HO; Yui-Luen, et al.	
	100	US6751444	06-15-2004	MEIYAPPAN; Palaniappan	
	101	US6757241	06-29-2004	JONES; Vincent K., et al.	
	102	US6760303	07-06-2004	BROUWER; Frank	
	103	US6775544	08-10-2004	FICARRA; Louis J.	
	104	US6816827	11-09-2004	XIA; Yang, et al.	
	105	US6847826	01-25-2005	WESBY; Philip, et al.	
	106	US6847828	01-25-2005	MIYOSHI; Kenichi, et al.	
	107	US6865389	03-08-2005	LEE; Bo, et al.	
	108	US6880103	04-12-2005	KIM; Young Hwan, et al.	
	109	US6898418	05-24-2005	RAUSCHMAYER; Dennis	
	110	US6904286	06-07-2005	DANTU; Ramanamurthy	
	111	US6917581	07-12-2005	PROCTOR; Jr. James A., et al.	
	112	US6937582	08-30-2005	KRONESTEDT; Carl Fredric Ulf	
	113	US6952561	10-04-2005	KUMAR; Sarath, et al.	

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				Filing Date	2004-02-06
				First Named Inventor	SAI YIU HO; San Diego, Ca
				Art Unit	2617
				Examiner Name	Un C. Cho
Sheet	7	of	21	Attorney Docket No: 030351	

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		Number-Kind Code <sup>2</sup> (if known)			
	114	US6982946	01-03-2006	WIBERG; Niclas, et al.	
	115	US6987798	01-17-2006	AHN; Seong-Woo, et al.	
	116	US7006429	02-28-2006	YOSHIDA; Makoto, et al.	
	117	US7016651	03-21-2006	NARASIMHAN; Ravi	
	118	US7050406	05-23-2006	HSU; Liangchi, et al.	
	119	US7054275	05-30-2006	KIM; Dae-Gyun, et al.	
	120	US7061986	06-13-2006	TONISSEN; Shane, et al.	
	121	US7068702	06-27-2006	CHEN; Hung-Kun, et al.	
	122	US7069038	06-27-2006	HAKKINEN; Hannu, et al.	
	123	US7072315	07-04-2006	LIU; Hui, et al.	
	124	US7076001	07-11-2006	BEADLE; Edward R., et al.	
	125	US7092706	08-15-2006	YANG; Bin	
	126	US7099397	08-29-2006	LEE; Goon Seop, et al.	
	127	US7103021	09-05-2006	JOU; Yu-Cheun	
	128	US7120134	10-10-2006	TIEDEMANN; Jr. Edward G., et al.	
	129	US7126930	10-24-2006	PANKAJ; Rajesh, et al.	
	130	US7164669	01-16-2007	LI; Xiaodong, et al.	
	131	US7177367	02-13-2007	STORM; Andrew	
	132	US7187646	03-06-2007	SCHRAMM; Peter	
	133	US7190964	03-13-2007	DAMNJANOVIC; Aleksandar, et al.	

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		Number-Kind Code <sup>2</sup> (if known)			
	134	US7197085	03-27-2007	VELLA-COLEIRO; George P.	
	135	US7215930	05-08-2007	MALLADI; Durga P.	
	136	US7257101	08-14-2007	PETRUS; Paul, et al.	
	137	US7269389	09-11-2007	PETRUS; Paul, et al.	
	138	US7272199	09-18-2007	STORM; Andrew, et al.	
	139	US7274743	09-25-2007	KIM; Yong-Woon	
	140	US7277709	10-02-2007	VADGAMA; Sunil Keshavji	
	141	US7286558	10-23-2007	KIM; Youn-Sun, et al.	
	142	US7286846	10-23-2007	CHEN; Tao, et al.	
	143	US7289529	10-30-2007	SHERMAN; Matthew J.	
	144	US7299402	11-20-2007	SOONG; Anthony C. K., et al.	
	145	US7313167	12-25-2007	YOON; Young C., et al.	
	146	US7317711	01-08-2008	BAE; Beom-Sik, et al.	
	147	US7327716	02-05-2008	FONG; Mo-Han, et al.	
	148	US7336640	02-26-2008	MCDONOUGH; John G., et al.	
	149	US7336954	02-26-2008	WANG; Jun, et al.	
	150	US7423992	09-09-2008	IWAMURA; Ryuichi	
	151	US7447258	11-04-2008	PIETILA; Samuli, et al.	
	152	US7463702	12-09-2008	AMMER; Gerhard, et al.	
	153	US7706403	04-27-2010	HOSEIN; Patrick A.	

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	154	USRE38603	09-28-2004	KIM; Je-Woo, et al.	
	155	US20020021683	02-21-2002	HOLTZMAN; Jack, et al.	
	156	US20020021692	02-21-2002	HUH; Hoon, et al.	
	157	US20020051432	05-02-2002	SHIN; Yeong Jong	
	158	US20020111183	08-15-2002	LUNDBY; Stein A.	
	159	US20020131522	09-19-2002	FELGENTREFF; Tilman	
	160	US20020136271	09-26-2002	HIRAMATSU; Katsuhiko, et al.	
	161	US20020150077	10-17-2002	TEMERINAC; Miodrag	
	162	US20020160767	10-31-2002	HANLY; Stephen Vaughan	
	163	US20020172192	11-21-2002	HUNZINGER; Jason F., et al.	
	164	US20030028251	02-06-2003	MATHEWS; Hallett H.	
	165	US20030039317	02-27-2003	TAYLOR; Douglas Hamilton, et al.	
	166	US20030081538	05-01-2003	WALTON; Jay R., et al.	
	167	US20030129981	07-10-2003	KIM; Hye Ock	
	168	US20030137953	07-24-2003	CHAE; Chan-Byoung, et al.	
	169	US20030142656	07-31-2003	PADOVANI; Roberto, et al.	
	170	US20030152102	08-14-2003	MORGAN; William, et al.	
	171	US20030219037	11-27-2003	TOSKALA; Antti, et al.	
	172	US20040013102	01-22-2004	FONG; Mo-Han, et al.	
	173	US20040101035	05-27-2004	BOER; Jan, et al.	

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	174	US20040160933	08-19-2004	ODENWALDER; Joseph P., et al.	
	175	US20040203973	10-14-2004	KHAN; Farooq Ullah	
	176	US20040224711	11-11-2004	PANCHAL; Rajendra A., et al.	
	177	US20040228283	11-18-2004	NAGUIB; Ayman Fawzy, et al.	
	178	US20040228389	11-18-2004	ODENWALDER; Joseph P.	
	179	US20050002324	01-06-2005	SUTIVONG; Arak, et al.	
	180	US20050004970	01-06-2005	JAIN; Avinash, et al.	
	181	US20050007986	01-13-2005	MALLADI; Durga P., et al.	
	182	US20050176456	08-11-2005	CHEN; Tao, et al.	
	183	US20060007892	01-12-2006	SUDO; Hiroaki	
	184	US20060019701	01-26-2006	Ji; Tingfang	
	185	US20060128410	06-15-2006	DERRYBERRY; Thomas R., et al.	
	186	US20060165126	07-27-2006	PETERSSON; Justus, et al.	
	187	US20060183497	08-17-2006	PARANCHYCH; David W., et al.	
	188	US20060215737	09-28-2006	BANG; Seung-Chan, et al.	
	189	US20060264220	11-23-2006	CHEN; Tao, et al.	
	190	US20070111669	05-17-2007	MALLADI; Durga P.	
	191	US20080043683	02-21-2008	KWON; Hwan-Joon, et al.	
	192	US20080194286	08-14-2008	CHEN; Tao, et al.	

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		Country Code <sup>3</sup> - Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	193	CN1166094	11-26-1997	mitsubishi denki k.k.		<input checked="" type="checkbox"/>
	194	CN1263675	08-16-2000	QUALCOMM INC [US]		<input checked="" type="checkbox"/>
	195	EP0783210A2	07-09-1997	NEC CORP [JP]		<input type="checkbox"/>
	196	EP0809364A2	11-26-1997	mitsubishi electric corp [JP]		<input type="checkbox"/>
	197	EP0921652A2	06-09-1999	KOREA ELECTRONICS TELECOMM [KR]		<input type="checkbox"/>
	198	EP1104127	05-30-2001	MATSUSHITA ELECTRIC IND CO LTD [JP]		<input type="checkbox"/>
	199	EP1231807A2	08-14-2002	LG ELECTRONICS INC [KR]		<input type="checkbox"/>
	200	EP1257140A1	11-13-2002	LUCENT TECHNOLOGIES INC [US]		<input type="checkbox"/>
	201	EP1292057A1	03-12-2003	mitsubishi electric corp [JP]		<input type="checkbox"/>
	202	EP627827A2	12-07-1994	CSELT CENTRO STUDI E LABORATORI TELECOMUNICAZIONI S.P.A., et al.		<input type="checkbox"/>
	203	GB2301687A	12-11-1996	* DSC COMMUNICATIONS CORPORATION.		<input checked="" type="checkbox"/>
	204	GB2352944A	02-07-2001	KOREA ELECTRONICS TELECOMM.		<input checked="" type="checkbox"/>
	205	JP 2003018117	01-17-2003	NIPPON TELEGRAPH & TELEPHONE CORP.		<input checked="" type="checkbox"/>
	206	JP08298498A	12-11-1996	mitsubishi electric corp.		<input checked="" type="checkbox"/>

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	208	JP11154919A	06-08-1999	SONY INTERNATL EUROP GMBH.		<input checked="" type="checkbox"/>
	209	JP11196043	07-21-1999	SONY CORP.		<input checked="" type="checkbox"/>
	210	JP11508417T	07-21-1999	TELEFONAKTIEBOLAGET LM ERISSON.		<input checked="" type="checkbox"/>
	211	JP2000299680A	10-24-2000	LUCENT TECHNOL INC.		<input checked="" type="checkbox"/>
	212	JP2000349740	12-15-2000	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	213	JP2000513549	10-10-2000	SAMSUNG ELECTRONICS CO LTD.		<input checked="" type="checkbox"/>
	214	JP2001016139A	01-19-2001	KOREA ELECTRONICS TELECOMM .		<input checked="" type="checkbox"/>
	215	JP2001036500A	02-09-2001	SHARP CORP.		<input checked="" type="checkbox"/>
	216	JP2001238269A	08-31-2001	KDDI CORP .		<input checked="" type="checkbox"/>
	217	JP2001515300T	09-18-2001	TELEFONAKTIEBOLAGET LM ERISSON.		<input checked="" type="checkbox"/>
	218	JP2001517017T	10-02-2001	QUALCOMM INC [US]		<input type="checkbox"/>
	219	JP2002026808A	01-25-2002	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	220	JP2002159061A	05-31-2002	YRP MOBILE TELECOMMUNICATIONS KEY TECH RES LAB CO LTD., et al.		<input checked="" type="checkbox"/>
	221	JP2002232943A	08-16-2002	SONY CORP.		<input checked="" type="checkbox"/>
	222	JP2002508137T	03-12-2002	QUALCOMM INC [US]		<input checked="" type="checkbox"/>

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(Use as many sheets as necessary)</i>				<i>Complete if Known</i>	
				Application Number	10/773,660
				Filing Date	2004-02-06
				First Named Inventor	SAI YIU HO; San Diego, Ca
				Art Unit	2617
				Examiner Name	Un C. Cho
Sheet	13	of	21	Attorney Docket No: 030351	

FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup> - Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	223	JP2002508896T	03-19-2002	QUALCOMM INC [US]		<input checked="" type="checkbox"/>
	224	JP2002522988T	07-23-2002	SAMSUNG ELECTRONICS CO LTD.		<input checked="" type="checkbox"/>
	225	JP2002528954T	09-03-2002	ERICSSON TELEFON AB L M [SE]		<input checked="" type="checkbox"/>
	226	JP2002531992	09-24-2002	QUALCOMM INCORPORATED.		<input checked="" type="checkbox"/>
	227	JP200277984	03-15-2002	TOSHIBA CORP.		<input checked="" type="checkbox"/>
	228	JP2003008521A	01-10-2003	FUJITSU LTD.		<input checked="" type="checkbox"/>
	229	JP2003032218	01-31-2003	MATSUSHITA ELECTRIC IND CO LTD.		<input checked="" type="checkbox"/>
	230	JP2003060606A	02-28-2003	HITACHI KOKUSAI ELECTRIC INC.		<input checked="" type="checkbox"/>
	231	JP2003060609A	02-28-2003	MITSUBISHI ELECTRIC CORP.		<input checked="" type="checkbox"/>
	232	JP2003069523A	03-07-2003	TOYO COMMUN EQUIP CO LTD.		<input checked="" type="checkbox"/>
	233	JP2004032518A	01-29-2004	SONY CORP.		<input checked="" type="checkbox"/>
	234	JP2004166038A	06-10-2004	MATSUSHITA ELECTRIC IND CO LTD .		<input checked="" type="checkbox"/>
	235	JP2004214746	07-29-2004	JAPAN TELECOM CO LTD.		<input checked="" type="checkbox"/>
	236	JP2004320679A	11-11-2004	NATIONAL INSTITUTE OF INFORMATION & COMMUNICATION TECHNOLOGY.		<input checked="" type="checkbox"/>
	237	JP2005505168	02-17-2005	QUALCOMM INCORPORATED [US]		<input checked="" type="checkbox"/>

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				Application Number	10/773,660
				Filing Date	2004-02-06
				First Named Inventor	SAI YIU HO; San Diego, Ca
				Art Unit	2617
				Examiner Name	Un C. Cho
Sheet	14	of	21	Attorney Docket No: 030351	

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		Country Code <sup>3</sup> - Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	238	JP2005505955T	02-24-2005	QUALCOMM INC.		<input type="checkbox"/>
	239	JP2008072733A	03-27-2008	MATSUSHITA ELECTRIC IND CO LTD .		<input checked="" type="checkbox"/>
	240	KR100214293	05-19-1999	SAMSUNG ELECTRONICS CO., LTD.		<input checked="" type="checkbox"/>
	241	KR100406531	11-22-2003	KOREA ELECTRONICS & TELECOMMUNICATIONS INSTITUTE.		<input checked="" type="checkbox"/>
	242	KR19960015862	11-22-1996	TOSHIBA KK [JP]		<input checked="" type="checkbox"/>
	243	KR20020076991	10-11-2002	SAMSUNG ELECTRONICS CO., LTD.		<input checked="" type="checkbox"/>
	244	KR20020089164	11-29-2002	LUCENT TECHNOLOGIES INC.		<input checked="" type="checkbox"/>
	245	RU2073913C1	02-20-1997	KONINKL PHILIPS ELECTRONICS NV [NL]		<input type="checkbox"/>
	246	RU2111619	05-20-1998	QUALCOMM INC [US].		<input checked="" type="checkbox"/>
	247	RU2115246C1	07-10-1998	VOENNAJA AKADEMIJA SVJAZI.		<input type="checkbox"/>
	248	RU2120198C1	10-10-1998	QUALCOMM INC [US]		<input type="checkbox"/>
	249	RU2149518	05-20-2000	ERICSSON, INC.		<input type="checkbox"/>
	250	RU2183910C2	06-20-2002	SAMSUNG EHLEKTRONIKS KO., LTD.		<input type="checkbox"/>
	251	RU2189696C2	09-20-2002	QUALCOMM INC.		<input type="checkbox"/>
	252	WO00072622	11-30-2000	QUALCOMM INC [US]		<input type="checkbox"/>
	253	WO0008869A2	02-17-2000	SAMSUNG ELECTRONICS CO LTD		<input type="checkbox"/>

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				First Named Inventor	SAI YIU HO; San Diego, Ca
				Art Unit	2617
				Examiner Name	Un C. Cho
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		Country Code <sup>3</sup> - Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
				[KR]		
	254	WO0042752A1	07-20-2000	SONY ELECTRONICS INC [US]		<input type="checkbox"/>
	255	WO0048328A1	08-17-2000	SAMSUNG ELECTRONICS CO LTD [KR]		<input type="checkbox"/>
	256	WO0065743A1	11-02-2000	NOKIA MOBILE PHONES LTD [FI], et al.		<input type="checkbox"/>
	257	WO01010159	02-08-2001	HOTTINEN ARI [FI]. et al.		<input type="checkbox"/>
	258	WO01017158	03-08-2001	QUALCOMM INCORPORATED.		<input type="checkbox"/>
	259	WO01024568	04-05-2001	QUALCOMM INC [US]		<input type="checkbox"/>
	260	WO01028194	04-19-2001	QUALCOMM INC [US]		<input type="checkbox"/>
	261	WO0106714	01-25-2001	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>
	262	WO01099303	12-27-2001	QUALCOMM INC [US]		<input type="checkbox"/>
	263	WO0141318A2	06-07-2001	KOREA ADVANCED INST OF SCIENCE AND TECH.		<input type="checkbox"/>
	264	WO0199312	12-27-2001	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	265	WO0201762	01-03-2002	SAMSUNG ELECTRONICS CO LTD [KR].		<input type="checkbox"/>
	266	WO02033838	04-25-2002	NORTEL NETWORKS LTD [CA]. et al.		<input type="checkbox"/>
	267	WO02041531	05-23-2002	QUALCOMM INC [US]		<input type="checkbox"/>

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		Country Code <sup>3</sup> - Number <sup>4</sup> Kind Code <sup>5</sup> (if known)				
	268	WO02063818A1	08-15-2002	mitsubishi electric corp [JP], et al.		<input type="checkbox"/>
	269	WO02065664	08-22-2002	QUALCOMM INCORPORATED [US]		<input type="checkbox"/>
	270	WO02080400A2	10-10-2002	QUALCOMM INC [US]		<input type="checkbox"/>
	271	WO02095960A2	11-28-2002	QUALCOMM INC [US]		<input type="checkbox"/>
	272	WO0231991	04-18-2002	BROADSTORM TELECOMMUNICATIONS, INC.		<input type="checkbox"/>
	273	WO0237693A2	05-10-2002	CUTE LTD [IL], et al.		<input type="checkbox"/>
	274	WO03084163A1	10-09-2003	INTEL CORP.		<input type="checkbox"/>
	275	WO2005/015942	02-17-2005	QUALCOMM INCORPORATED .		<input type="checkbox"/>
	276	WO9205556	04-02-1992	KONINKL PHILIPS ELECTRONICS NV [NL]		<input type="checkbox"/>
	277	WO95007578	03-16-1995	QUALCOMM INC [US]		<input type="checkbox"/>
	278	WO95012297	05-04-1995	QUALCOMM INC [US]		<input type="checkbox"/>
	279	WO9510144A1	04-13-1995	TELIA AB [SE], et al.		<input type="checkbox"/>
	280	WO9701256A1	01-09-1997	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>
	281	WO9733399A1	09-12-1997	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>
	282	WO98035525	08-13-1998	QUALCOMM INC [US]		<input type="checkbox"/>
	283	WO98036606	08-20-1998	QUALCOMM INCORPORATED.		<input type="checkbox"/>
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	286	WO9907089A1	02-11-1999	MOTOROLA INC [US]		<input type="checkbox"/>
	287	WO9912282A1	03-11-1999	ERICSSON TELEFON AB L M [SE]		<input type="checkbox"/>
	288	WO9929054A1	06-10-1999	GOLDEN BRIDGE TECH INC [US]		<input type="checkbox"/>

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T2
	289	Taiwanese Search report -093103844 - TIPO - 2010-10-21 (030240).	<input type="checkbox"/>
	290	3G TS 25.211 "Physical channels and mapping of transport channels onto physical channels (FDD)", Release 5, V5.0.0, March 2002.	<input type="checkbox"/>
	291	3G TS 25.212 "Multiplexing and channel coding (FDD)", Release 5, V5.0.0, March 2002.	<input type="checkbox"/>
	292	3G TS 25.213 "Spreading and modulation (FDD)", Release 5, V5.0.0, March 2002.	<input type="checkbox"/>
	293	3G TS 25.214 "Physical layer procedures (FDD)", Release 5, V5.0.0, March 2002.	<input type="checkbox"/>
	294	3GPP2 C.S0024, Version 2.0: "cdma2000 High Rate Packet Data Air Interface Specification," pgs. 1-441 (2000-10-27).	<input type="checkbox"/>
	295	3GPP2 C.S0024: "cdma2000 High Rate Packet Data Air Interface Specification" 3GPP STANDARDS, 12 September 2000 (2000-09-12), XP002206456.	<input type="checkbox"/>
	296	3rd GENERATION PARTNERSHIP PROECT, TECHNICAL SPECIFICATION GROUP RADIO ACCESS NETWORK: 3GPP TS 25.322 V4.7.0; RADIO ACCESS LINK CONTROL (RLC) PROTOCOL SPECIFICATION; RELEASE 4, DECEMBER 2002 (2002-12), pages 1-76.	<input type="checkbox"/>
	297	ADACHI, F. et al: "Wideband Multi-rate DS-CDMA for Next Generation Mobile	<input type="checkbox"/>

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Substitute for form 1449/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<i>Complete if Known</i>	
				Application Number	10/773,660
				Filing Date	2004-02-06
				First Named Inventor	SAI YIU HO; San Diego, Ca
				Art Unit	2617
				Examiner Name	Un C. Cho
Sheet	18	of	21	Attorney Docket No: 030351	

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		Communications Systems", WIRELESS COMMUNICATIONS CONFERENCE (1997). BOULDER, CO, USA 11-13 AUG. 1997, NEW YORK, NY, USA, IEEE, US, 11 August 1997 (1997-08-11), pages 57-62, XP010245557, DOI: DOI:10.1109/WCC.1997.622247, ISBN: 978-0-7803-41 94-4.		
	298	ATTAR, R. A., et al., "A Reverse Link Outer-Loop Power Control Algorithm For CDMA2000 1xEV Systems" ICC 2002. 2002 IEEE International Conference on Communications. Conference Proceedings. New York, NY, April 28 - May 2, 2002, IEEE International Conference on Communications, New York, NY: IEEE, US, Vol. 1 of 5 April 28, 2002 Pgs 573-578, XP010589559, ISBN: 0-7803-7400-2.		<input type="checkbox"/>
	299	CHAKRAVARTY S ET AL: "An Algorithm for Reverse Traffic Channel Rate Control for cdma2000 High Rate Packet Data Systems" IEEE GLOBAL TELECOMMUNICATIONS CONFERENC, 2001. Globecom 01. E. SAN ANTONIO, TX, NOV. 25 - 29, 2001, IEEEGLOBAL TELECOMMUNICATIONS CONFERENCE , NEW YORK, NY : IEEE, US, VOL. 6 OF 6, 25 November 2001 (2001-11-25), pages 3733-3737, XP002277693.		<input type="checkbox"/>
	300	CHEN, TAU, "Method and Apparatus for Forward Link Power Control During Soft Handoff in a Communication System", US Provisional Application 60/356,929 entitled, filed 2/12/02, QUALCOMM Incorporated.		<input type="checkbox"/>
	301	ETSI TS 125.211 v3.5.0 (2000-12);Universal Mobile Telecommunications Systems (UMTS); Physical channels and mapping of transport channels onto physical channels (FDD),"3GPP TS 25.211 version 3.5.0 Release 1999).		<input type="checkbox"/>
	302	European Search Report - EP10172964 ,Search Authority -Berlin Patent Office, 09-28-2010 (030223).		<input type="checkbox"/>
	303	FUJII, T. et al., "Best Effort Cell Structure Using Sub-carrier Selected MC-CDMA System," The Institute of Electronics, Information and Communication Engineers, Nov. 15, 2002, Vol. 102, No. 465, pp. 65-72, IEICE Technical Report RCS 2002-203 (English Abstract).		<input checked="" type="checkbox"/>
	304	Gyung-Ho Hwang and Dong-Ho Cho, Distributed Rate Control for Throughput Maximization and QoS Support in WCDMA System, IEEE VTC, U.S. IEEE, October 7,2001, vol. 3, pp. 1721-1725.		<input type="checkbox"/>
	305	HAMAGUCHI, et al., "Characteristics of Orthogonal Slow-FH/16QAM method applying Interference-resistant Demodulation," Proceedings of Inst. Of Electronics, Information and Communication Engineers, B-II, June 25, 1995, vol. J78, B-II, no. 6, pp. 445-453.		<input type="checkbox"/>
	306	"Mobile Station-Base Station Compatibility Standard for Wideband Spread Spectrum		<input type="checkbox"/>

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				Examiner Name	Un C. Cho
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		Cellular Systems," TIA/EIA Interim Standard, February 3, 1999, XP002145331, pp. 6-380,6 (TIA/EIA-95-B).		
	307	NADAGOPAL T., et al., "SERVICE DIFFERENTIATION THROUGH END-TO-END RATE CONTROL IN LOW BANDWIDTH WIRELESS PACKET NETWORKS," 1999. IEEE INTERNATIONAL WORKSHOP. SAN DIEGO CA USA 15-17 NOV 99, MOBILE MUTLIMEDIA COMMUNICATIONS 1999, 211-220.	<input type="checkbox"/>	
	308	SARKAR S et al., "Adaptive Control of the Reverse Link in CDMA2000", INTERNATIONAL JOURNAL OF WIRELESS INFORMATION NETWORKS, PLENUM PRESS, NY, US, Vol.9, No.1/1/2002, pgs 55-70, XP002300880, ISSN: 1068-9605, page 56, right-hand column, line 12 - page 61, right-hand column, line 4, page 63, left-hand column.	<input type="checkbox"/>	
	309	SARKAR S., et al., "CDMA2000 Reverse Link: Design and System Performance" VTC 2000-Fall. IEEE VTS 52nd, Vehicular Technology Conference, Boston, MA, September 24-28, 2000. Vol 6 of 6 Conf. 52, pages 2713-2719, XP010525079.	<input type="checkbox"/>	
	310	SCHREIBER, W. F: "SPREAD- SPECTRUM TELEVISION BROADCASTING", SMPTE JOURNAL, SMPTE INC. SCARSDALE, N.Y, US, vol. 101, no. 8, 1 August 1992 (1992-08-01), pages 538-549, XP000296026, ISSN: 0036-1682.	<input type="checkbox"/>	
	311	SKLAR, B. "DIGITAL COMMUNICATIONS, FUNDAMENTALS AND APPLICATIONS", 4 pages, 2001. Prentice-Hall PTR. Upper Saddle River, New Jersey, USA.	<input type="checkbox"/>	
	312	SOHN et al., "Blind Rate Detection Algorithm in WCDMA Mobile Receiver", IEEE 54th Vehicular Technology Conference Proceedings, Atlantic City, NJ, October 7, 2001, pages 1589-1592.	<input type="checkbox"/>	
	313	SUNAY, M. OGUZ, et al., "Provision of Variable Data Rates in Third Generation Wideband DS CDMA Sytems" WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE, 1999. WCNC. 1999 IEEE NEW ORLEANS, LA, USA, 21-24 SEPTEMBER 1999, pages 505-509, XP010353838.	<input type="checkbox"/>	
	314	"The cdma2000 ITU-R RTT Candidate Submission (0.18)," Telecommunications Industry Association TIA, July 27, 1998, XP002294165, pp. 1-145.	<input type="checkbox"/>	
	315	TIA EIA interim Standard IS-856-1, 'CDMA.2000 High Rate Packet Data Air Interface Specification,' Addendum 1, January 2002. pages 9-23 - 9-57, XP002299790.	<input type="checkbox"/>	
	316	TIA/EIA-95; "MOBILE STATION- BASE STATION COMPATIBILITY STANDARD FOR WIDEBAND SPREAD SPECTRUM CELLUAR SYSTEMS"(1999-03).	<input type="checkbox"/>	

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				<b>Examiner Name</b>	Un C. Cho
<b>Sheet</b>	<b>20</b>	<b>of</b>	<b>21</b>	<b>Attorney Docket No:</b> 030351	

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	317	TIA/EIA-IS-2000 Release C, "Introduction to cdma2000 Standards for Spread Spectrum Systems, Release C" (3GPP2 C.S0001-C, Version 1.0) May 28, 2002.		<input type="checkbox"/>
	318	"Universal Mobile Telecommunications System (UMTS); Physical channels and mapping of transport channels onto physical channels (FDD) (3GPP TS 25.211 version 5.3.0 Release 5)", ETSI TS 125 211 v 5.3.0 (2002-12), December 2002, Pages 1-52.		<input type="checkbox"/>
	319	YOU Y-H., et al., "MC-VSG BNET System for High-Rate Wireless Personal Area Network Applications, New York US," IEEE Transactions on Consumer Electronics, IEEE Inc., Vol. 48, No. 2, May 2002, pgs 254-264,XP001200452.		<input type="checkbox"/>
	320	Young-Joo Song et al. "Rate-control Snoop : A Reliable Transport Protocol for Heterogeneous Networks with Wired and Wireless Links", IEEE Proceedings 2003, vol. 2, Mar. 16, 2003, pp. 1334-1338. cited by other .		<input type="checkbox"/>
	321	YOUNG-UK CHUNG et al, "An Efficient Reverse Link Data Rate Control Scheme for 1xEV-DV System," IEEE 54TH. Vehnicular Technology Conference Proceedings. Atlantic City, NJ, Oct. 7-11, 2001. IEEE, US. Vol 1 of 4, Conf. 54, October 10, 2001, pages 820-823.		<input type="checkbox"/>

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